









CONNECTIONLESS COMMUNICATION SYSTEM

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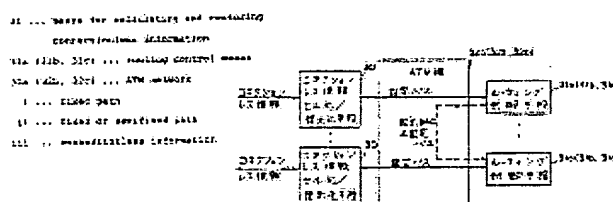
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Abstract not available for WO9214321
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Local connectionless information (data transferred directly without establishing a path to the destination) such as data of a local area network (LAN) is contained in an asynchronous transfer mode (ATM) network which uses a connection-oriented communication system (a system in which data is transferred after confirming the establishment of a path to the destination), and efficient, high speed routing can be made. Provided are a means (30) for cellulating/restoring connectionless information which bidirectionally performs conversion from the connectionless information to the connectionless cell of a fixed-length cell, and vice versa, a routing control means (31) which analyzes the destination address of the information in the connectionless cell and controls the routing of the cell, and an ATM network (32) which connects the means (30) with the means (31) by a permanent virtual channel of a fixed path, and connects the means (31) with each other by a permanent virtual channel of a fixed path or by a virtual channel of a semifixed path. Thus, connectionless information is divided into cells, and the exchange of each cell can be performed in an ATM network.



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